

Title (en)  
ACOUSTICAL SOUND PROOFING MATERIAL WITH IMPROVED DAMPING AT SELECT FREQUENCIES AND METHODS FOR MANUFACTURING SAME

Title (de)  
SCHALLDÄMMUNGSMATERIAL MIT VERBESSERTEN DÄMMUNG BEI AUSGEWÄHLTEN FREQUENZEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
MATÉRIAU D'INSONORISATION ACOUSTIQUE AVEC AMORTISSEMENT AMÉLIORÉ À DES FRÉQUENCES SÉLECTIONNÉES ET PROCÉDÉS DE FABRICATION DE CELUI-CI

Publication  
**EP 2576931 A4 20141224 (EN)**

Application  
**EP 10852307 A 20100527**

Priority  
• US 78818410 A 20100526  
• US 2010036441 W 20100527

Abstract (en)  
[origin: US2010230206A1] A laminated panel is provided including a first layer of material having external and internal surfaces; a second layer of material having external and internal surfaces; a layer of viscoelastic glue in contact with the internal surface of said first layer of material and with the internal surface of said second layer of material; said glue including an acrylic polymer in a concentration between 10% and 60% by weight, or a tackifier in a concentration between 1% and 70%; or a plasticizing compound in a concentration between 0% and 15%; or a material with Tg greater than 0° C. in a concentration between 0% and 30%. A soundproof assembly is also provided including a first and second panel; at least one spacer between the panels, and a gap between the panels, wherein at least one of the panels comprises a laminated panel as provided above.

IPC 8 full level  
**E04B 1/86** (2006.01); **B32B 7/12** (2006.01); **B32B 13/04** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
• [X] US 2009000866 A1 20090101 - TINIANOV BRANDON D [US]  
• [X] US 2008264721 A1 20081030 - TINIANOV BRANDON D [US], et al  
• [A] US 5304415 A 19940419 - KURIHARA YOSHITAKA [JP], et al  
• [A] US 6672426 B2 20040106 - KAKIMOTO HIROFUMI [JP], et al  
• See references of WO 2011149470A1

Cited by  
CN105005647A

Designated contracting state (EPC)  
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**US 2010230206 A1 20100916**; **US 8181738 B2 20120522**; CA 2800147 A1 20111201; CA 2800147 C 20180515; EP 2576931 A1 20130410; EP 2576931 A4 20141224; EP 2576931 B1 20230315; ES 2945689 T3 20230705; FI 2576931 T3 20230530; WO 2011149470 A1 20111201

DOCDB simple family (application)  
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